

Message

From: Maurano, Stephen [Maurano.Stephen@epa.gov]
Sent: 2/23/2017 8:04:43 PM
To: Bolt, Matthew [Bolt.Matthew@epa.gov]
Subject: RE: Queen Creek TMDL Review

Hi Matt,

I reviewed and generated comments through 6.2. Questions for ADEQ:

- Could ADEQ please provide a copy of the UAA?
- In Section 5.5, How was the natural background assumption modeled? When the mining-related copper loads were eliminated, what loads were put in place?
- How did ADEQ choose critical condition for flow, when it varied across the reach and between different sizes of storms?

Stephen Maurano
U.S. Environmental Protection Agency, Region 9
Water Division, Ecosystems Branch, Assessment Section
75 Hawthorne Street (WTR-2-1), San Francisco, CA 94105-3901
(415) 972-3477 maurano.stephen@epa.gov

From: Vollmer, Jared
Sent: Wednesday, February 22, 2017 10:13 AM
To: Sablad, Elizabeth <Sablاد.Elizabeth@epa.gov>; Bolt, Matthew <Bolt.Matthew@epa.gov>
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>
Subject: RE: Queen Creek TMDL Review

For background, check out the map on page 8 of the Resolution mine presentation.

Jared
415-972-3447
Watersheds Office (WTR-2-2)

From: Sablad, Elizabeth
Sent: Tuesday, February 21, 2017 7:32 AM
To: Bolt, Matthew <Bolt.Matthew@epa.gov>
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>
Subject: RE: Queen Creek TMDL Review

Hi Matt,

It turns out I won't be in the office Friday, so won't be able to make this meeting. I can send you some written comments before then so you'll have them for the discussion.

-Elizabeth

Elizabeth Sablad
Senior Permits Specialist
NPDES Permits Section
U.S. Environmental Protection Agency, Region 9
75 Hawthorne St.
San Francisco, CA 94105
(415) 972-3044

From: Jade Dickens [<mailto:Dickens.Jade@azdeq.gov>]
Sent: Friday, February 17, 2017 11:50 AM
To: Bolt, Matthew <Bolt.Matthew@epa.gov>
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>; Andy Koester <Koester.Andy@azdeq.gov>; Sablad, Elizabeth <Sablاد.Elizabeth@epa.gov>
Subject: RE: Queen Creek TMDL Review

Hi Matt,

Next Friday at 12:00 MST works for us. Would you please provide us your comments in advance so that we can be prepared for the discussion? Also, will you email us a phone number or conference line to call?

Thank you and look forward to next Friday.

Jade Dickens
Supervisor, Watershed Protection Unit
Arizona Department of Environmental Quality
jd11@azdeq.gov
(602)771-4115

From: Bolt, Matthew [<mailto:Bolt.Matthew@epa.gov>]
Sent: Friday, February 17, 2017 11:37 AM
To: Jade Dickens <Dickens.Jade@azdeq.gov>
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>; Christopher P. Henninger <Henninger.Christopher@azdeq.gov>; Andy Koester <Koester.Andy@azdeq.gov>; Sablad, Elizabeth <Sablاد.Elizabeth@epa.gov>
Subject: RE: Queen Creek TMDL Review

Hi Jade,
Our availability next week:

- Thursday, the 23rd, from 3 PM MST / 2 PM PST onward
- Friday, the 24th, after noon MST / 11 AM PST onward
- Monday, the 27th, generally

Please let me know when is best for you all, we can conference in about 5 lines on an outbound call if that helps.

Thank You,
Matt

From: Andy Koester [<mailto:Koester.Andy@azdeq.gov>]
Sent: Thursday, February 16, 2017 7:36 AM
To: Bolt, Matthew <Bolt.Matthew@epa.gov>; Sablad, Elizabeth <Sablاد.Elizabeth@epa.gov>; Jade Dickens

<Dickens.Jade@azdeq.gov>

Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>; Christopher P. Henninger <Henninger.Christopher@azdeq.gov>
Subject: RE: Queen Creek TMDL Review

Yes, that is the response.

From: Bolt, Matthew [mailto:Bolt.Matthew@epa.gov]

Sent: Wednesday, February 15, 2017 5:25 PM

To: Andy Koester <Koester.Andy@azdeq.gov>; Sablad, Elizabeth <Sablade.Elizabeth@epa.gov>; Jade Dickens <Dickens.Jade@azdeq.gov>

Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>; Christopher P. Henninger <Henninger.Christopher@azdeq.gov>

Subject: RE: Queen Creek TMDL Review

Hi Andy,

Thank you for the information. Is the response specifically the following: *"It is anticipated the draft TMDL will be available for public comment by February 1, 2017. Stakeholders will be notified when the draft TMDL public comment period has begun."* (http://static.azdeq.gov/pn/responses_resolution_cu.pdf)?

Thank You,
Matt

Matthew Bolt
Life Scientist
Water Quality Assessment Section
US EPA Region 9
75 Hawthorne Street (WTR-2-1)
San Francisco, CA 94105-3901
(415) 972-3578

From: Andy Koester [mailto:Koester.Andy@azdeq.gov]

Sent: Wednesday, February 15, 2017 3:53 PM

To: Sablad, Elizabeth <Sablade.Elizabeth@epa.gov>; Jade Dickens <Dickens.Jade@azdeq.gov>; Bolt, Matthew <Bolt.Matthew@epa.gov>

Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>; Christopher P. Henninger <Henninger.Christopher@azdeq.gov>

Subject: RE: Queen Creek TMDL Review

Hi Elizabeth,

Jade is referring to the commitment ADEQ made in the Response To Comments for the Resolution Copper Mine AZPDES permit. In the responsive summary, we stated the Queen Creek TMDL would be available for public comments in February. As you know, the Resolution permit was appealed and one of the comments was related to the Queen Creek impairment.

Let me know if this helps clarify.

Andy Koester
Manager, AZPDES Individual Permits Unit
Arizona Department of Environmental Quality
Phone: 602-771-4689
Email: Koester.andy@azdeq.gov

From: Sablad, Elizabeth [<mailto:Sablade.Elizabeth@epa.gov>]
Sent: Wednesday, February 15, 2017 4:41 PM
To: Jade Dickens <Dickens.Jade@azdeq.gov>; Bolt, Matthew <Bolt.Matthew@epa.gov>
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>; Andy Koester <Koester.Andy@azdeq.gov>; Christopher P. Henninger <Henninger.Christopher@azdeq.gov>
Subject: RE: Queen Creek TMDL Review

Hi Jade,
Can you be more specific about which permit is creating a shorter timeline for the TMDL and why? Are you trying to issue the TMDL prior to the permit being reissued and that permits is on a LTF clock? Please help us understand. I also copied Andy and Chris in case they can provide more clarity.

Thanks,
Elizabeth

Elizabeth Sablad
Senior Permits Specialist
NPDES Permits Section
U.S. Environmental Protection Agency, Region 9
75 Hawthorne St.
San Francisco, CA 94105
(415) 972-3044

From: Jade Dickens [<mailto:Dickens.Jade@azdeq.gov>]
Sent: Wednesday, February 15, 2017 11:42 AM
To: Bolt, Matthew <Bolt.Matthew@epa.gov>
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Sablad, Elizabeth <Sablade.Elizabeth@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>
Subject: RE: Queen Creek TMDL Review

Hi Matt,

We are in training all week so will not be available for a call until next week. Please let us know dates and times that work for you all next week. I wanted to emphasize again for EPA that this TMDL is being held to a timeline as part of an AZPDES permit process in the area. Please focus on any large "showstopper" issues that you are finding.

Thanks!
Jade Dickens

Supervisor, Watershed Protection Unit
Arizona Department of Environmental Quality
jd11@azdeq.gov
(602)771-4115

From: Bolt, Matthew [<mailto:Bolt.Matthew@epa.gov>]
Sent: Monday, February 13, 2017 12:03 PM
To: Jade Dickens <Dickens.Jade@azdeq.gov>
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Sablad, Elizabeth <Sablade.Elizabeth@epa.gov>; Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>; Hashimoto, Janet <Hashimoto.Janet@epa.gov>; Vollmer, Jared <Vollmer.Jared@epa.gov>
Subject: RE: Queen Creek TMDL Review

Hi Jade,
We are flexibly available this Friday February 17, 2017 for a preliminary discussion. When is best for you all?

Thank You,
Matt

Matthew Bolt
Life Scientist
Water Quality Assessment Section
US EPA Region 9
75 Hawthorne Street (WTR-2-1)
San Francisco, CA 94105-3901
(415) 972-3578

From: Hashimoto, Janet
Sent: Monday, February 13, 2017 10:44 AM
To: Dickens.Jade@azdeq.gov
Cc: Maurano, Stephen <Maurano.Stephen@epa.gov>; Bolt, Matthew <Bolt.Matthew@epa.gov>; Sablad, Elizabeth <Sablade.Elizabeth@epa.gov>; palmer.kyle@azdeq.gov; sutter.jason@azdeq.gov
Subject: Queen Creek TMDL Review

Hi Jade: Thank you for forwarding the draft Queen Creek copper TMDL for EPA's early review. We are starting our review and will do our best to review quickly. However, given that we only received the TMDL late last week and this is the first time we are seeing the document, it seems unlikely to have our review completed by the end of this week, 2/17. We will provide comments as soon as we can, and will try to get you some comments by this week. Also, if necessary, EPA will provide comments during the public comment period. In general, we think it would be best if EPA provided comments on drafts on TMDLs and any other document requiring EPA review and approval. This allows us to resolve issues with AZ DEQ, in the spirit of the accord being developed between our agencies, prior to public review of a document so that it would be approvable in its entirety.

After we have some comments, we may want to set up a time for you to chat with us. Stephen Maurano and/or Matt Bolt will contact you this week to set up the call. Thanks. Janet



United States Environmental Protection Agency
Janet Y. Hashimoto
Manager, Water Quality Assessment Section
US EPA Region 9
Water Division; Ecosystems Branch

75 Hawthorne Street (WTR-2-1)
San Francisco, CA 94105-3901
(415) 972-3452

From: Jade Dickens [<mailto:Dickens.Jade@azdeq.gov>]

Sent: Friday, February 10, 2017 12:10 PM

To: Maurano, Stephen <Maurano.Stephen@epa.gov>; Bolt, Matthew <Bolt.Matthew@epa.gov>; Sablad, Elizabeth <Sablade.Elizabeth@epa.gov>

Cc: Kyle W. Palmer <Palmer.Kyle@azdeq.gov>; Jason W. Sutter <Sutter.Jason@azdeq.gov>

Subject: Queen Crk Diss Copper TMDL final report draft

Hello EPA,

Attached is the draft TMDL for Queen Creek. We have discussed in the past that EPA get a chance to review TMDLs before going out for public comment. This round of EPA review is to look at any major show stopper issues that EPA had regarding the TMDL. There are interested stakeholders waiting for the chance to complete the public comment, and we are on a very tight timeframe. Please get us any comments on major issues by COB Friday February 17. If we do not hear from you, we will assume that EPA is comfortable with the TMDL and proceed with the process. Please remember that we still encourage you to comment during the public comment period for minor issues.

Thank you,
Jade Dickens
Watershed Protection Unit Manager
Arizona Department of Environmental Quality
jd11@azdeq.gov

NOTICE: This e-mail (and any attachments) may contain PRIVILEGED OR CONFIDENTIAL information and is intended only for the use of the specific individual(s) to whom it is addressed. It may contain information that is privileged and confidential under state and federal law. This information may be used or disclosed only in accordance with law, and you may be subject to penalties under law for improper use or further disclosure of the information in this e-mail and its attachments. If you have received this e-mail in error, please immediately notify the person named above by reply e-mail, and then delete the original e-mail. Thank you.

NOTICE: This e-mail (and any attachments) may contain PRIVILEGED OR CONFIDENTIAL information and is intended only for the use of the specific individual(s) to whom it is addressed. It may contain information that is privileged and confidential under state and federal law. This information may be used or disclosed only in accordance with law, and you may be subject to penalties under law for improper use or further disclosure of the information in this e-mail and its attachments. If you have received this e-mail in error, please immediately notify the person named above by reply e-mail, and then delete the original e-mail. Thank you.

NOTICE: This e-mail (and any attachments) may contain PRIVILEGED OR CONFIDENTIAL information and is intended only for the use of the specific individual(s) to whom it is addressed. It may contain information that is privileged and confidential under state and federal law. This information may be used or disclosed only in accordance with law, and you may be subject to penalties under law for improper use or further disclosure of the information in this e-mail and its attachments. If you have received this e-mail in error, please immediately notify the person named above by reply e-mail, and then delete the original e-mail. Thank you.

NOTICE: This e-mail (and any attachments) may contain PRIVILEGED OR CONFIDENTIAL information and is intended only for the use of the specific individual(s) to whom it is addressed. It may contain information that is privileged and confidential under state and federal law. This information may be used or disclosed only

in accordance with law, and you may be subject to penalties under law for improper use or further disclosure of the information in this e-mail and its attachments. If you have received this e-mail in error, please immediately notify the person named above by reply e-mail, and then delete the original e-mail. Thank you.

NOTICE: This e-mail (and any attachments) may contain PRIVILEGED OR CONFIDENTIAL information and is intended only for the use of the specific individual(s) to whom it is addressed. It may contain information that is privileged and confidential under state and federal law. This information may be used or disclosed only in accordance with law, and you may be subject to penalties under law for improper use or further disclosure of the information in this e-mail and its attachments. If you have received this e-mail in error, please immediately notify the person named above by reply e-mail, and then delete the original e-mail. Thank you.